

JAN 18 2002

**DECLARATION AND POWER OF ATTORNEY**  
(Attorney Docket No: 58378.124)

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As below-named inventors, We hereby declare that:

Our residences, post office addresses and citizenship are as stated below next to our names.

We believe that we are the original, and only inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SELF-REFERENCING ENZYME-BASED MICROSENSOR AND METHOD OF USE**

the specification of which (check only one):

is attached hereto.

was filed as United States Patent Application  
Serial No. 09/966,581  
on September 28, 2001  
and was amended on \_\_\_\_\_  
(if applicable)

was filed as PCT Patent Application  
Serial No. \_\_\_\_\_  
on \_\_\_\_\_  
and was amended under PCT Article 19  
on \_\_\_\_\_  
(if applicable)

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, CFR §1.56(a) and §1.56(b). We also acknowledge the duty to disclose all information which is material to the patentability as defined in 37 CFR §1.56, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

We hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by us on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

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**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS  
UNDER 35 U.S.C. §119(a)-(d) or 365(b), or 365(a):**

COUNTRY (if PCT indicate PCT)	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. §119 (YES/NO)

We hereby claim benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Application Number(s)	Filing Date (MM/DD/YYYY)	Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or 365(c) of any PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATION OR PCT INTERNATIONAL APPLICATION(S)  
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. §120 or 365(c):**

APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS: (PATENTED, PENDING OR ABANDONED)

**POWER OF ATTORNEY:** As named inventors, We hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Baker, Hollie L.	31,321
Barakat, Barbara A.	32,190
Bevilacqua, Michael J.	31,091
Byrne, Sally	40,545
Cavanaugh, David L.	36,476
Chiu, Ph.D., Nancy	43,545
Diener, Michael A.	37,122

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Dichiara, Peter M.	38,005
Goldenberg, Richard A.	38,895
Haag, Joseph F.	42,612
Haller, Wendy A.	35,177
Kennard, Wayne M.	30,271
Kerner, Ph.D., Ann-Louise	33,523
<i>Klunder, Ph.D., Janice M.</i>	41,121
Lampert, James B.	24,564
Lari, Ayla A.	43,739
McIsaac, Ph.D., Robert	46,918
Park, Keum J.	42,059
Reyes, Jason A.	41,513
Rice, Ph.D., Gretchen A.	37,429
Scozzafava, Ph.D., Mary Rose	36,268
Steinberg, Donald R.	37,241
Superko, Colleen	39,850
Twomey, Michael J.	38,349
Vallabh, Rajesh	35,761
Walpert, Gary A.	26,098

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Emily Whelan, Esq.

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Wherefore we petition that letters patent be granted to us for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe our names to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

JAN 1 8 2002

Full name of first inventor: **Sung-Kw n Jung**

Inventor's signature



Date 12/31/01

Residence: 25 Bayside Drive, East Falmouth, MA 02536

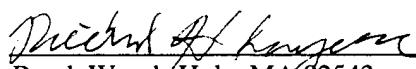
Citizenship: Korea

Post Office Address: same as residence

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Full name of second inventor: **Richard H. Sanger**

Inventor's signature



Date 12/9/01

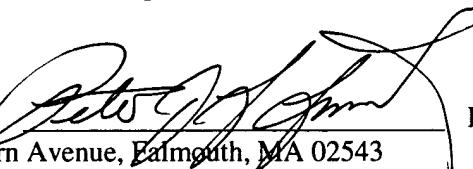
Residence: 53 Bar Neck Road, Woods Hole, MA 02543

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Full name of third inventor: **Peter J.S. Smith**

Inventor's signature



Date 3rd Dec. 2001

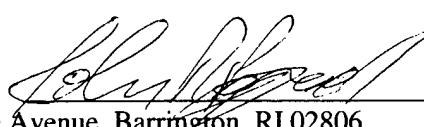
Residence: 10 Dearborn Avenue, Falmouth, MA 02543

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Full name of fourth inventor: **John R. Pepperell**

Inventor's signature



Date 12/15/01

Residence: 19 Hillside Avenue, Barrington, RI 02806

Citizenship: US

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